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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/738,267	12/15/2000	Alson Kemp	TRIPP013	1642

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EXAMINER

NGUYEN, DANNY

ART UNIT	PAPER NUMBER
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2836

DATE MAILED: 06/04/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/738,267

Applicant(s)

KEMP ET AL.

Examiner

Danny Nguyen

Art Unit

2836

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 April 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-7 and 10-12 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-7 and 10-12 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____ | 6) <input type="checkbox"/> Other: |

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

1. Claims 1-7, and 10-12 are rejected under 35 U.S.C. 102(a) as being anticipated by D'Angelo et al. (U.S. Patent No. 5929615).

Regarding to claim 1, 2, 7, 10, 11, D'Angelo et al. disclose an over-voltage protection circuit for interposing between an input voltage and supply voltage (fig. 2), the over-voltage protection circuit comprising switch circuitry (34) connected to and passing current between an input voltage and a supply voltage; switch control circuitry (54, 56, 49, and 44) for sensing the supply voltage and regulating current flow through the switch circuitry in response thereto, wherein the switch control circuitry comprises a voltage regulator (44) configured as a voltage controlled current source to provide a control signal to control the switching circuit (34), and amplifier (46) for amplifying an input signal.

Regarding to claims 3, 4, 6, D'Angelo et. al. disclose the at least one transistor comprises at least one P-type MOSFET (34) and at least one N-type MOSFET (46), and the at least one transistor comprises a plurality of transistor configured in parallel (45).

Art Unit: 2836

Regarding to claim 5, D'Angelo et al. disclose a plurality of transistor configured in parallel (40, 42, 34).

Regarding to claim 12, D'Angelo et. al. disclose an automobile audio system comprises audio amplifier (49) for amplifying an audio input signal (see col. 6, lines 4-7); an over-voltage protection circuitry (32, see fig. 2) for interposing between a vehicle battery voltage (V_{in} , see col. 3, lines 65-66) and an amplifier supply voltage (V_{out}), the amplifier supply voltage providing power to the amplifier circuitry (49), the over-voltage protection circuit comprising switch circuitry (34) connected to and passing current between vehicle battery voltage and a supply voltage; switch control circuitry (54, 56, 49, 50, 44) for sensing the supply voltage and regulating current flow through the switch circuitry in response thereto wherein the switch control circuitry comprises a voltage regulator (44) configured as a voltage controlled current source for providing a control signal to control the switching circuit (34).

Regarding to claim 5, D'Angelo et al. disclose a plurality of transistor configured in parallel (40, 42, 34).

Response to Arguments

2. Applicant's arguments filed 04/03/2003 have been fully considered but they are not persuasive.

Regarding to claim 1, applicant argued that the control unit (44) in circuit of D'Angelo is not a voltage regulator and configured as a voltage control current source. However, when the transistor (34) is in conductive state, the current from the inductor (36) following through the transistor (34) to the load and stored in the

Art Unit: 2836

capacitor (48). For a certain period, the output voltage (in term of current) exceeding the threshold value, the control unit (44) deactivates the transistor (34), and blocks the current from the inductor to the load. The output voltage returns to the operating range. Therefore, the control unit (44) is a voltage regulator and function as a voltage control current source. Thus, the applicant's claim 1 does not distinguish over the D'Agelo's reference.

Conclusion

3. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

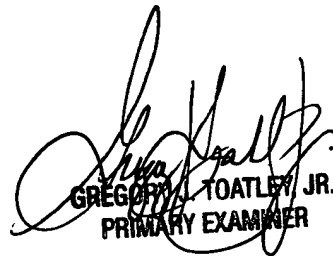
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Danny Nguyen whose telephone number is (703)-305-5988. The examiner can normally be reached on Mon to Fri 8:00 AM to 4:30 PM.

Art Unit: 2836

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on (703)-308-3119. The fax phone numbers for the organization where this application or proceeding is assigned are (703)-305-1341 for regular communications and (703)-308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)-308-0956.

DN
D.N.
May 29, 2003


GREGORY A. TOATLEY, JR.
PRIMARY EXAMINER